

#10



ENTERED

PCT09

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/857,346

DATE: 01/24/2003

TIME: 13:12:49

Input Set : A:\US App 050341-0041-3 Aug 22, 2002.txt.txt

Output Set: N:\CRF4\01242003\I857346.raw

3 <110> APPLICANT: Burn, Joanne E  
 4 Peacock, William J.  
 5 Dennis, Elizabeth S  
 6 Sheldon, Candice C.  
 7 Helliwell, Christopher A.  
 8 Rouse, Dean T.  
 10 <120> TITLE OF INVENTION: Control of Flowering  
 12 <130> FILE REFERENCE: 050341-0041  
 14 <140> CURRENT APPLICATION NUMBER: 09/857,346  
 C--> 15 <141> CURRENT FILING DATE: 2002-06-04  
 17 <150> PRIOR APPLICATION NUMBER: PP 7469  
 18 <151> PRIOR FILING DATE: 1998-12-03  
 20 <150> PRIOR APPLICATION NUMBER: US 60/116,928  
 21 <151> PRIOR FILING DATE: 1999-01-22  
 23 <150> PRIOR APPLICATION NUMBER: PCT/AU99/01079  
 24 <151> PRIOR FILING DATE: 1999-12-02  
 26 <160> NUMBER OF SEQ ID NOS: 42  
 28 <170> SOFTWARE: PatentIn version 3.1  
 30 <210> SEQ ID NO: 1  
 31 <211> LENGTH: 7968  
 32 <212> TYPE: DNA  
 33 <213> ORGANISM: Arabidopsis thaliana  
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 42 gccctatcca tgactaacgt gagtccgccc tgatagcgag taagaaacga gcaaaggaat 240  
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86 atgacgtagg cgagtggttc tttgttttta ctatgtaggc acgactttgg taacacctac 1560
88 taattaactg ccaaatttta agttttgaga agtcggaaga gttcaaacca gttttagggt 1620
90 tcgatatgtc tacatagttc aaagatgatg tagagtggag gttctttctg caatagttca 1680
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178	cggcttccta	ttcttaggag	tcttttgata	tttgcaaaaa	aaacatatac	aatagaaata	4320
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182	atctggttac	cgccacatca	tcattatcat	cttatgggtc	atcaatacta	gctctatcgc	4440
184	tggaaaaaac	cttgtcctca	aggttcattg	aaaaatccga	aaagttttct	cgtatatgtt	4500
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268	tttttcatgt	taaagtgttt	aattaggttt	tggttcattt	ggagatttag	gaacctttta	7020
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276 tttttttttt tttttttttg tgatgggttag gtttggatcc gagtggctca gttccaactc 7260
278 caagtgtcta gaagtagtgc tacttttaca tgctatatat aggttagatt ataaattata 7320
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284 aaaaagatat tccttggata gaagacaaaa agagaaagtg aatagtgatt ttgacctatg 7500
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298 gagtgtatgt gttcttctct tctgtcaaaa acttgtgttt gcttcacagt gaagaagcct 7920
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308 &lt;400&gt; SEQUENCE: 2

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313 aaaactagaa atcaagcgaa ttgagaacaa aagtagccga caagtcacct tctccaaacg 180
315 tcgcaacggg ctcatcgaga aagctcgtca gctttctgtt ctctgtgacg catccgtcgc 240
317 tcttctcgtc gtctccgcct ccggcaagct ctacagcttc tcctccggcg ataacctggt 300
319 caagatcctt gatcgatatg ggaaacagca tgctgatgat cttaaagcct tggatcatca 360
321 gtcaaaagct ctgaactatg gttcacacta tgagctactt gaacttgtgg atagcaagct 420
323 tgtgggatca aatgtcaaaa atgtgagtat cgatgctctt gttcaactgg aggaacacct 480
325 tgagactgcc ctctccgtga ctagagccaa gaagaccgaa ctcatgttga agcttgttga 540
327 gaatcttaaa gaaaaggaga aaatgctgaa agaagagAAC caggttttgg ctagccagat 600
329 ggagaataat catcatgtgg gagcagaagc tgagatggag atgtcacctg ctggacaaat 660
331 ctccgacaat ctccgggtga ctctccact acttaattag ccaccttaaa tcggcggttg 720
333 aaatcaaaat ccaaaacata tataattatg aagaaaaaaa aaataagata tgtaattatt 780
335 ccgctgataa gggcgagcgt ttgtatatct taatactctc tctttggcca agagactttg 840
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343 &lt;211&gt; LENGTH: 196

344 &lt;212&gt; TYPE: PRT

345 &lt;213&gt; ORGANISM: Arabidopsis thaliana

347 &lt;400&gt; SEQUENCE: 3

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350 1 5 10 15
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354 20 25 30
357 Arg Gln Leu Ser Val Leu Cys Asp Ala Ser Val Ala Leu Leu Val Val
358 35 40 45
361 Ser Ala Leu Gly Lys Leu Tyr Ser Phe Ser Ser Gly Asp Asn Leu Val
362 50 55 60

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365 Lys Ile Leu Asp Arg Tyr Gly Lys Gln His Ala Asp Asp Leu Lys Ala
366 65              70              75              80
369 Leu Ala His Gln Ser Lys Ala Leu Asn Tyr Gly Ser His Tyr Glu Leu
370              85              90              95
373 Leu Glu Leu Val Asp Ser Lys Leu Val Gly Ser Asn Val Lys Asn Val
374              100             105             110
377 Ser Ile Asp Ala Leu Val Gln Leu Glu Glu His Leu Glu Thr Ala Leu
378              115             120             125
381 Ser Val Thr Arg Ala Lys Lys Thr Glu Leu Met Leu Lys Leu Val Glu
382              130             135             140
385 Asn Leu Lys Glu Lys Glu Met Leu Lys Glu Glu Asn Gln Val Leu
386 145             150             155             160
389 Ala Ser Gln Met Glu Asn Asn His His Val Gly Ala Glu Ala Glu Met
390              165             170             175
393 Glu Met Ser Pro Ala Gly Asn Ile Ser Asp Asn Leu Pro Val Thr Leu
394              180             185             190
397 Pro Leu Leu Asn
398              195

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401 &lt;210&gt; SEQ ID NO: 4

402 &lt;211&gt; LENGTH: 691

403 &lt;212&gt; TYPE: DNA

404 &lt;213&gt; ORGANISM: Brassica napus

406 &lt;220&gt; FEATURE:

407 &lt;221&gt; NAME/KEY: misc\_feature

408 &lt;222&gt; LOCATION: (611)..(611)

409 &lt;223&gt; OTHER INFORMATION: n= a, t, g or c

412 &lt;220&gt; FEATURE:

413 &lt;221&gt; NAME/KEY: misc\_feature

414 &lt;222&gt; LOCATION: (655)..(655)

415 &lt;223&gt; OTHER INFORMATION: n= a, t, g or c

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419 &lt;221&gt; NAME/KEY: misc\_feature

420 &lt;222&gt; LOCATION: (657)..(657)

421 &lt;223&gt; OTHER INFORMATION: n=a, t, g or c

424 &lt;220&gt; FEATURE:

425 &lt;221&gt; NAME/KEY: misc\_feature

426 &lt;222&gt; LOCATION: (691)..(691)

427 &lt;223&gt; OTHER INFORMATION: n= a, t, g or c

430 &lt;400&gt; SEQUENCE: 4

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435 gttcacacaa tgagttactt gaacttgtagg ataggttagt actacctgag acttttttcc      180
437 ctctcctcct ttcattacaa aggtattagg gtttcttgtc aatctgtgca tatatatgca      240
439 gcaagcttgt ggaatcaaatt gtcgggtggtg taagcgtgga caccctcggt cagctggagg      300
441 gtgtccttga aaatgccctc tctctaacta gagctaggaa ggtacgttga cttcactactg      360
443 tcttctcatt tcttactttg tttgttgaaa cgattgttca cttatattta atttgttgca      420
445 gacagaacta atgttgaaagc ttgttgatag cctcaaagaa aaggttagat atatcatata      480
447 tgattttata gcacttcaga tatcttctcg tgtttgaaag cctcaaatat ttatgtgttg      540
449 tattaagttt ctctaagtgt gctttatgag ctcgcaatca aacttcttca taagtgcac      600

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/857,346

DATE: 01/24/2003  
TIME: 13:12:50

Input Set : A:\US App 050341-0041-3 Aug 22, 2002.txt.txt  
Output Set: N:\CRF4\01242003\I857346.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 611,655,657,691  
Seq#:7; N Pos. 742,844  
Seq#:10; N Pos. 619  
Seq#:12; N Pos. 748,769,779

**VERIFICATION SUMMARY**

DATE: 01/24/2003

PATENT APPLICATION: US/09/857,346

TIME: 13:12:50

Input Set : A:\US App 050341-0041-3 Aug 22, 2002.txt.txt

Output Set: N:\CRF4\01242003\I857346.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:600

L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:660

L:564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:720

L:568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:840

L:681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:600

L:779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:720